

Office of Air Quality Planning and Standards

United States Environmental Protection Agency

Office of Air and Radiation

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on assignment to OAQPS

Current Requirements

- To specify models used in analyses for Prevention of Significant Deterioration, and State Implementation Plans. (CAA Section 165(E))
- To ensure uniformity in procedures used by Regional Offices. (Section 301)
- To conduct a modeling conference to standardize models. (Section 320)

Meeting Current Requirements

- Modeling Guideline - 40 CFR Part 51 Appendix W
 - Appendix A to Appendix W lists recommended models for specific applications.
 - Emphasizes the National Ambient Air Quality Standards
- Modeling Conference
 - Forum for public review of new models and techniques
 - Conducted as a public hearing

7th Modeling Conference
June 27-9, Washington, D.C.

- AERMOD replaces ISC3
- CALPUFF becomes first recommended model for long range transport for PSD
- ISC-PRIME replaces ISC3 for aerodynamic downwash
- UAM-IV is withdrawn for ozone and PM2.5

Requirements for New Models

- Scientific merit
- Accuracy
- Regulatory issues
 - Implementation
 - Resource requirements
- Public Review